Attachment **7**

San Diego Integrated Regional Water Management

2014 IRWM Drought Solicitation Implementation Grant Proposal

Program Preferences

Attachment 7 consists of the following items:

- ✓ **Program Preferences.** This attachment contains information regarding how this *San Diego IRWM 2014 IRWM Drought Solicitation Implementation Grant Proposal* meets the preferences described in Section II.F of the 2014 IRWM Drought Guidelines. This attachment also describes how the Proposal assists in addressing the Human Right to Water Policy (§CWC 106.3).

Table of Contents

Program Preferences Overview

Table 7-1 shows which program preferences are met by each of the seven projects included in the *San Diego Drought Solicitation Implementation Grant Proposal*. Taken together, the seven projects address seven of the eight preferences. How each project meets these preferences is described in greater detail below.

Table 7-1: Proposed Projects, Program Preferences, and the Human Right to Water

Proposed Projects	1: Regional Projects	2: Integrate Water Mgmt	3: Resolve Conflict	4: Bay-Delta Objectives	5: Benefits DACs	6:Land Use Planning	7. IRWM Plan	8: Statewide Priorities	Human Right to Water
Reynolds Groundwater Desalination Facility Expansion		✓	✓	✓	✓		✓	✓	✓
Fallbrook Plant Nurseries Recycled Water Distribution System Expansion		✓	✓	✓	✓		✓	✓	✓
Carlsbad Recycled Water Plant and Distribution System Expansion		✓	✓	✓	✓		✓	✓	✓
Regional Demand Management Program Expansion	✓	✓	✓	✓	✓		✓	✓	✓
San Diego Water Use Reduction Program	✓	✓	✓	✓	✓		✓	✓	✓
Rincon Customer-Driven Demand Management Program		✓	✓	✓	✓		✓	✓	✓
Regional Emergency Storage and Conveyance System Intertie Optimization	✓	✓	✓	✓	✓		✓	✓	✓
Degree of Certainty Preferences Will Be Addressed	HIGH	HIGH	HIGH	HIGH	HIGH	N/A	HIGH	HIGH	-
Magnitude and Breadth to Which Preference will be Addressed	Region	Region	Region	State	Local	N/A	Region	Region	-

As seen in **Table 7-2**, all eight statewide priorities will be met, directly or indirectly, by the seven projects included in this Proposal. How each project meets these priorities is explained in greater detail below.

Table 7-2: Proposed Projects and Programs with Statewide Priorities

Proposed Projects	Drought Preparedness	Reuse Water More Efficiently	Climate Change Response Actions	Expand Environmental Stewardship	Practice Integrated Flood Management	Protect Surface/ Groundwater Quality	Improve Tribal Water/Natural Resources	Ensure Equitable Distribution of Benefits
Reynolds Groundwater Desalination Facility Expansion	●	●	●			●		●
Fallbrook Plant Nurseries Recycled Water Distribution System Expansion	●	●	●	○		●		○
Carlsbad Recycled Water Plant and Distribution System Expansion	●	●	●	○		●		○
Regional Demand Management Program Expansion	●	●	●	○		○	○	○
San Diego Water Use Reduction Program	●	●	●			○		○
Rincon Customer-Driven Demand Management Program	●	●	●	○		○		○
Regional Emergency Storage and Conveyance System Intertie Optimization	●	●	●	●	○	●		○

○ indirectly related; ● directly related

Project 1: Reynolds Groundwater Desalination Facility Expansion

The *Reynolds Groundwater Desalination Facility Expansion* project will address the Human Right to Water (see below), meet six of the eight program preferences, as shown in **Table 7-1**, and will meet six of the eight statewide priorities, as shown in **Table 7-2**. It is **fully certain** that this project will meet these preferences and priorities on a regional, state, or local level (refer to **Table 7-1**) as described below.

Effectively Integrate Water Management: All projects must include integrated regional water management components to be considered for inclusion in an IRWM grant proposal, as described in the 2013 San Diego IRWM Plan. This project includes partnership integration with its partnership between Sweetwater Authority and the City of San Diego, and resource management integration, through meeting multiple 2013 IRWM Plan objectives. This project is included within the San Diego IRWM Region, which was approved of by DWR in the 2009 Region Acceptance Process (RAP).

Resolve Water–Related Conflicts: The project partnership between Sweetwater Authority and the City of San Diego arose from a legal dispute between the two entities over use of the San Diego Formation groundwater basin. The partnership formed by the two agencies for this project resolved this conflict and allows for a mutually beneficial solution to groundwater basin management and increasing local water supply. Further, the project helps to resolve conflicts associated with additional imported water demands by providing a local, drought-proof water supply.

Meet Bay-Delta Objectives: The project will directly offset imported water use through the addition of 5,200 AFY of desalinated groundwater to the potable supplies of Sweetwater Authority and the City of San Diego. Approximately one-third of the Region's imported water comes from the Bay-Delta through the State Water Project (SWP). Therefore, this project will directly reduce demand from the Bay-Delta, thereby supporting the Ecosystem Restoration and Water Supply objectives of the CALFED Bay-Delta program.

Address DAC Needs: Sweetwater Authority serves a heavily DAC population (see Attachment 8). This project will provide additional local potable water to all populations served by Sweetwater Authority, including many DACs. Water produced by the Reynolds Facility will also replace imported water sources, which have variable water rates that are expected to increase in the future. As such, the project will provide a secure local water supply that is not subject to the same water rate fluctuations as imported water, and will therefore help to retain affordability of water for local DACs.

Part of an IRWM Plan that Reduces Reliance on Sacramento-San Joaquin Delta: The project is included in the 2013 San Diego IRWM Plan, as described in Attachment 1. The 2013 IRWM Plan was approved by DWR in June 2014, and passed the Plan Review Standard related to how the plan will help reduce dependence on the Delta (see **Appendix 1-4**). Supply diversification is a key part of the 2013 IRWM Plan, and this project helps to increase local supply, reducing demand for imported water, and meeting Objective E of the 2013 IRWM Plan.

Address Statewide Priorities: The project directly meets five statewide priorities: 1) Drought Preparedness; 2) Reuse Water More Efficiently; 3) Climate Change Response Actions; 4) Protect Surface/Groundwater Quality; and 5) Ensure Equitable Distribution of Benefits and indirectly meets one statewide priority: Expand Environmental Stewardship. Creation and use of a local, drought-proof supply (desalinated groundwater) will help Sweetwater Authority and the City of San Diego weather droughts and potential impacts of climate change, and use and reuse water more efficiently through reduced reliance on imported water. The project will also protect surface/groundwater quality by reducing salinity of the groundwater basin overtime through extraction of brackish water, increasing the proportion of basin containing less-saline inflow. Finally, because the water produced by the project will serve customers through the existing potable water distribution system, benefits will be distributed equitably across Sweetwater Authority and City of San Diego's customer base, including the DACs served by both agencies. The project will indirectly expand environmental stewardship by increasing flows of brackish water to the Sweetwater River, thereby maintaining saline conditions that support native salt grass habitat.

Project 2: Fallbrook Plant Nurseries Recycled Water Distribution System Expansion

The *Fallbrook Plant Nurseries Recycled Water Distribution System Expansion* project will address the Human Right to Water, meet six program preferences, and six statewide priorities. It is **fully certain** that this project will meet these preferences and priorities on a regional, state, or local level (refer to **Table 7-2**) as described here.

Effectively Integrate Water Management: As described above, the 2013 IRWM Plan defined integration for the DWR-approved San Diego IRWM Region. The project includes two types of integration: 1) partnership integration through shared efforts with the local agricultural community and the Mission Resources Conservation District; and 2) resources management integration through implementation of multiple IRWM Plan objectives.

Resolve Water-Related Conflicts: The objectives of the 2013 IRWM Plan were developed through an open and transparent stakeholder process to address water management conflicts in the Region. By meeting multiple of these objectives, the project will contribute towards resolving water management conflicts in the Region. The project will also reduce water supply conflicts by reducing imported water demands. Implementation of this project will allow for the provision of existing recycled water supplies to agricultural customers, which are available at a lower rate compared to potable water rates. This will reduce agricultural industry conflicts by providing a reliable, local, cost-effective water supply and helping to ensure that the agricultural industry remains in the Region.

Meet Bay-Delta Objectives: The project will help meet the CALFED Bay-Delta objectives of Water Supply and Ecosystem Restoration through reducing demand for imported water. The project will reduce demand for imported water by 642 AFY through the provision of recycled water to agricultural customers. Approximately one-third of the Region's imported water comes from the Bay-Delta. Therefore, this project will directly reduce demand from the Bay-Delta, thereby supporting the Ecosystem Restoration and Water Supply objectives of the CALFED Bay-Delta program.

Address DAC Needs: Fallbrook includes a DAC population (see Attachment 8). This project will make additional recycled water available in Fallbrook, thereby allowing existing potable water supplies to be available for Fallbrook customers, including DACs. Therefore, the project will help to increase water supply reliability within Fallbrook's service area, and will benefit all residents of the area, including DACs.

Part of an IRWM Plan that Reduces Reliance on Sacramento-San Joaquin Delta: The project is included in the 2013 San Diego IRWM Plan, as described in Attachment 1. The 2013 IRWM Plan was approved by DWR in June 2014, and passed the Plan Review Standard related to how the plan will help reduce dependence on the Delta (see **Appendix 1-4**).

Address Statewide Priorities: The project directly meets four statewide priorities: 1) Drought Preparedness; 2) Reuse Water More Efficiently; 3) Climate Change Response Actions; and 4) Protect Surface/Groundwater Quality and indirectly meets two statewide priorities: 1) Expand Environmental Stewardship, and 2) Ensure Equitable Distribution of Benefits. The project will directly meet drought preparedness, use/reuse water more efficiently, climate change response priorities, and protect surface water through increased use of recycled water in lieu of imported water. Recycled water is a drought-proof local supply that provides drought-preparedness components by reducing demand for imported potable water. Fallbrook already produces tertiary water that is currently unused and is discharged to the ocean; therefore the project will ensure that water is reused efficiently. Water recycling is specifically noted by DWR as a climate change response action, because it helps to reduce wastewater loads and reduce energy demand and GHG emissions. The project will directly address surface water quality through implementation of recycled water (vs. potable water), which is more highly regulated and anticipated to reduce runoff and associated salt and nutrient loading into waterways.

The project will indirectly expand environmental stewardship by reducing ocean discharges and therefore enhancing the local environment by reducing pollutants from entering the ocean. The project will also indirectly ensure equitable distribution of benefits by offsetting potable water demands and ensuring that water supplies are available in Fallbrook's service area, which includes DACs.

Project 3: Carlsbad Recycled Water Plant and Distribution System Expansion

The *Carlsbad Recycled Water Plant and Distribution System Expansion* project will address the Human Right to Water (below), as well as six program preferences and six statewide priorities. It is **fully certain** that this project will meet these preferences and priorities on a regional, state, or local level (refer to **Table 7-2**) as described here.

Effectively Integrate Water Management: As described above, the 2013 IRWM Plan defined integration for the DWR-approved San Diego IRWM Region. The project includes two types of integration: 1) partnership integration through shared efforts with Olivenhain Municipal Water District; and 2) resources management integration through implementation of multiple IRWM Plan objectives.

Resolve Water-Related Conflicts: This project will reduce conflict over water uses within Carlsbad by providing recycled water for irrigation users, thereby reserving potable water for drinking water and other purposes. The project will also reduce future water use conflicts outside of Carlsbad through the expansion of the Carlsbad WRF, which will allow Carlsbad to serve anticipated and planned future recycled water demands, as well as provide recycled water to neighboring water agencies whose demands exceed existing supplies. Through reduced demand for imported potable water, the project will also help to reduce water management conflicts related to pumping from the Bay-Delta.

Meet Bay-Delta Objectives: The project will address two of the CALFED Bay-Delta objectives: Water Supply and Ecosystem Restoration. Approximately one-third of the Region's imported water comes from the SWP. By reducing imported water demand by 353 AFY, the project will directly reduce demand from the Bay-Delta, thereby supporting the Ecosystem Restoration and Water Supply objectives of the CALFED Bay-Delta program.

Part of an IRWM Plan that Reduces Reliance on Sacramento-San Joaquin Delta: The project is included in the 2013 San Diego IRWM Plan, as described in Attachment 1. The 2013 IRWM Plan was approved by DWR in June 2014, and passed the Plan Review Standard related to how the plan will help reduce dependence on the Delta (see **Appendix 1-4**). Supply diversification is a key part of the 2013 IRWM Plan, and this project helps to increase local supply, reducing demand for imported water, and meeting Objective E of the 2013 IRWM Plan.

Address DAC Needs: Carlsbad includes a small DAC population (see Attachment 8). This project will make additional recycled water available in Carlsbad, thereby allowing existing potable water supplies to be available for Carlsbad customers, including DACs. Therefore, the project will help to increase water supply reliability within Carlsbad's service area, and will benefit all residents of the area, including DACs.

Address Statewide Priorities: The project directly meets four statewide priorities: 1) Drought Preparedness; 2) Reuse Water More Efficiently; 3) Climate Change Response Actions; and 4) Protect Surface/Groundwater Quality and indirectly meets two statewide priorities: 1) Expand Environmental Stewardship, and 2) Ensure Equitable Distribution of Benefits. Through increased use of recycled water, a local-drought proof supply, and reduced potable water demand, the project will help with drought preparedness, and use water more efficiently. The project will also help address potential climate change impacts that may affect availability of imported water, such as drought or damage to imported water infrastructure that may result from changes in weather patterns. The project will directly address surface water quality through its turf management outreach, which will educate irrigators on appropriate irrigation practices using recycled water and salt and nutrient management. This outreach is anticipated to reduce runoff and associated salt and nutrient loading into waterways. The project will indirectly expand environmental stewardship by reducing ocean discharges and therefore enhancing the local environment by reducing pollutants from entering the ocean. The project will also indirectly ensure equitable distribution of benefits by offsetting potable water demands and ensuring that water supplies are available in Carlsbad's service area, which includes a small DAC population.

Project 4: Regional Demand Management Program Expansion

SDCWA's *Regional Demand Management Program Expansion* will address the Human Right to Water, and address seven program preferences and seven statewide priorities. It is **fully certain** that this project will meet these preferences and priorities on a regional, state, or local level (refer to **Table 7-2**) as described here.

Regional Program: The *Regional Demand Management Program Expansion* project is regional in nature because it will be implemented throughout SDCWA's service area. As shown in **Figure 3-13**, SDCWA's service area encompasses the majority of the San Diego IRWM Region, and includes portions of all of the Region's watersheds.

Effectively Integrate Water Management: As described above, the 2013 IRWM Plan defined integration for the DWR-approved San Diego IRWM Region. The project includes four types of integration: 1) partnerships with San Diego Gas & Electric (SDG&E), California Landscape Contractors Association (CLCA), County of San Diego, and through SDCWA's 24 member agencies; 2) resource management through implementation of multiple 2013 IRWM Plan objectives; 3) beneficial use because the project will support multiple beneficial uses of waters in the Region; and 4) geography through implementation of the project across all watersheds in the Region.

Resolve Water-Related Conflicts: This project will reduce water-related conflicts by managing potable water demand through expansion of its turf replacement rebate program, increased landscape irrigation efficiency, and timers on toilets to prevent water waste in a juvenile detention facility. This conserved water will instead be available for potable use, especially valuable during times of drought. The project will also offset imported water, reducing conflicts related to SWP supplies.

Meet Bay-Delta Objectives: The project will address the Water Supply and Ecosystem Restoration objectives of the CALFED Bay-Delta. Conserving water through managing demand will reduce demand for imported water. Approximately one-third of the Region's imported water is sourced from the SWP. By reducing imported water demand by 1,089 AF over the project's lifetime, the project will directly reduce demand from the Bay-Delta, thereby supporting the Ecosystem Restoration and Water Supply objectives of the CALFED Bay-Delta program.

Address DAC Needs: As described in Attachment 8, the Region has a substantial amount of residents that reside in DACs. This project will benefit the entire Region, including those areas that qualify as DACs.

Part of an IRWM Plan that Reduces Reliance on Sacramento-San Joaquin Delta: The project is included in the 2013 San Diego IRWM Plan, as described in Attachment 1. The 2013 IRWM Plan was approved by DWR in June 2014, and passed the Plan Review Standard related to how the plan will help reduce dependence on the Delta (see **Appendix 1-4**). Supply diversification is a key part of the 2013 IRWM Plan, and this project helps to increase local supply, reducing demand for imported water, and meeting Objective E of the 2013 IRWM Plan.

Address Statewide Priorities: The project directly meets three statewide priorities: 1) Drought Preparedness; 2) Reuse Water More Efficiently; and 3) Climate Change Response Actions and indirectly meets four statewide priorities: 1) Expand Environmental Stewardship; 2) Protect Surface/Groundwater Quality; 3) Improve Tribal Water/Natural Resources; and 4) Ensure Equitable Distribution of Benefits. By implementing robust demand-management measures throughout the Region the project will address drought preparedness by making more water available throughout the Region and will also reuse water more efficiently by reducing water waste. The project will indirectly expand environmental stewardship by reducing water runoff and therefore reducing the amount of pollutants entering local waterways. The project will indirectly address protection of surface/groundwater quality through reduced demand for water from the Bay-Delta (as described above). Tribal Nations will indirectly benefit from this project because there are Tribal Nations in SDCWA's service area, and benefits will be distributed across the entire service area due to the regional nature of this project. The project will also indirectly ensure equitable distribution of benefits by offsetting potable water demands and ensuring that water supplies are available throughout the Region, which includes DACs.

Project 5: San Diego Water Use Reduction Program

The *San Diego Water Use Reduction Program* will increase recycled water use for construction and other projects, and reduce water waste at local residences through a rebate program for pressure regulators. This project will address the Human Right to Water, meet seven program preferences, and address six statewide priorities. It is **fully certain** that this project will meet these preferences and priorities on a regional, state, or local level (refer to **Table 7-2**) as described here.

Regional Program: The *San Diego Water Use Reduction* project is regional in nature because it will be implemented throughout the City of San Diego's service area. As shown in **Figure 3-15**, the City of San Diego's service area encompasses a large portion of the San Diego IRWM Region, and includes portions of seven of the region's eleven watersheds.

Effectively Integrate Water Management: The *San Diego Water Use Reduction Program* is integrated in four of the ways defined in the 2013 IRWM Plan: partnership, resource management, beneficial use, and geographic integration. The City of San Diego has partnered with SDG&E to implement the project's outreach component, described in Attachment 4 (**Table 4-5**). The project will implement three of the objectives of the 2013 IRWM Plan (Objectives A, B, and E), support multiple beneficial uses, and be implemented across all seven watersheds within the City of San Diego's service area.

Resolve Water-Related Conflicts: The project will help resolve conflicts over imported water supplies by reducing demand for potable water by 381 AFY. The project will also help to resolve conflicts related to high water pressure entering residences and causing damage.

Meet Bay-Delta Objectives: The project will meet the Water Supply and Ecosystem Restoration objectives of the CALFED Bay-Delta through reduced demand for imported water. Imported water demand will be reduced through increased use of recycled water provided by the filling station, and reduced water waste from the installation of up to 5,000 pressure regulators within the City of San Diego. Approximately one-third of the Region's imported water comes from the SWP, and as described in Attachment 3, this project will reduce demand for SWP supplies by 254 AFY. Therefore, this project will directly reduce demand from the Bay-Delta, thereby supporting the Ecosystem Restoration and Water Supply objectives of the CALFED Bay-Delta program.

Address DAC Needs: The City of San Diego's service area includes large areas of DACs, as described in Attachment 8. This project will be implemented across the City of San Diego's service area, including those areas that qualify as DACs. Benefits accrued by this project will also be accrued by these DACs.

Part of an IRWM Plan that Reduces Reliance on Sacramento-San Joaquin Delta: The project is included in the 2013 San Diego IRWM Plan, as described in Attachment 1. The 2013 IRWM Plan was approved by DWR in June 2014, and passed the Plan Review Standard related to how the plan will help reduce dependence on the Delta (see **Appendix 1-4**). Supply diversification is a key part of the 2013 IRWM Plan, and this project helps to increase local supply, reducing demand for imported water, and meeting Objective E of the 2013 IRWM Plan.

Address Statewide Priorities: The project directly meets three statewide priorities: 1) Drought Preparedness; 2) Reuse Water More Efficiently; and 3) Climate Change Response Actions and indirectly meets three statewide priorities: 1) Expand Environmental Stewardship; 2) Protect Surface/Groundwater Quality; and 3) Ensure Equitable Distribution of Benefits. The project address drought preparedness by reducing potable water demands through conservation and provision of recycled water. The project components will also use water more efficiently by reducing water waste and beneficially reusing recycled water. Climate change response actions will be met, because the project will help the region adapt to climate change by reducing reliance on imported water sources, which is a known climate change vulnerability in the Region. The project will indirectly address protection of surface/groundwater quality through reduced demand for water from the Bay-Delta (as described above). The project will also indirectly ensure equitable distribution of benefits by offsetting potable water demands and ensuring that water supplies are available throughout the City of San Diego's service area, which includes DACs.

Project 6: Rincon Customer-Driven Demand Management Program

The *Rincon Customer-Driven Demand Management Program* will provide real-time water use data to customers, along with information designed to encourage water demand reduction. The project will address the Human Right to Water (below), six program preferences, and six statewide priorities. It is **fully certain** that this project will meet these preferences and priorities on a regional, state, or local level (refer to **Table 7-2**) as described here.

Effectively Integrate Water Management: As described above, the 2013 IRWM Plan defined integration for the DWR-approved San Diego IRWM Region. The project includes two types of integration: partnership and resource management integration. Rincon has partnered with the City of Escondido to implement the outreach portion of the project, as described in Attachment 4. Resource management integration was achieved through meeting eight of the 2013 IRWM Plan objectives.

Resolve Water-Related Conflicts: The project will help reduce conflicts over imported and potable water supplies through water demand management. The increased communication with customers on water use and real-time updates on customer water use will reduce potable water use in residences. Potable water demand will be reduced by 300 AFY as a result of this project.

Meet Bay-Delta Objectives: The project will help meet two of the CALFED Bay-Delta objectives: Water Supply and Ecosystem Restoration. By reducing potable water demand 300 AFY, the project will directly offset imported water demands. Approximately one-third of the Region's imported water comes from the SWP. Therefore, this project will directly reduce demand from the Bay-Delta, thereby supporting the Ecosystem Restoration and Water Supply objectives of the CALFED Bay-Delta program.

Part of an IRWM Plan that Reduces Reliance on Sacramento-San Joaquin Delta: The project is included in the 2013 San Diego IRWM Plan, as described in Attachment 1. The 2013 IRWM Plan was approved by DWR in June 2014, and passed the Plan Review Standard related to how the plan will help reduce dependence on the Delta (see **Appendix 1-4**). Supply diversification is a key part of the 2013 IRWM Plan, and this project helps to increase local supply, reducing demand for imported water, and meeting Objective E of the 2013 IRWM Plan.

Address DAC Needs: Rincon includes a small DAC population (see Attachment 8). This project will make additional potable water available in Rincon's service area, thereby allowing existing potable water supplies to be available for Rincon customers, including DACs. Therefore, the project will help to increase water supply reliability within Rincon's service area, and will benefit all residents of the area, including DACs.

Address Statewide Priorities: The project directly meets three statewide priorities: 1) Drought Preparedness; 2) Reuse Water More Efficiently; and 3) Climate Change Response Actions and indirectly meets three statewide priorities: 1) Expand Environmental Stewardship; 2) Protect Surface/Groundwater Quality; and 3) Ensure Equitable Distribution of Benefits. Through reduced potable water demand, the project will address drought preparedness by conserving potable supplies. The project will also use water more efficiently by reducing water waste and improving demand management. Reduced potable water demand contributes towards adaptation for climate change by preparing the region for impacts of potential climate change-driven droughts and improving water supply reliability.

The project will indirectly address protection of surface/groundwater quality through reduced demand for water from the Bay-Delta (as described above). The project will also indirectly expand environmental stewardship by reducing water runoff through greater awareness of water use and communication with customers, thereby reducing the amount of pollutants entering local waterways. The project will ensure equitable distribution of benefits, because benefits will accrue across Rincon's service area, which includes DACs.

Project 7: Regional Emergency Storage and Conveyance System Intertie Optimization

The *Regional Emergency Storage and Conveyance System Intertie Optimization* project will improve water quality at the Hodges Reservoir and enable the Region to fully utilize the connectivity of the reservoir to the Regional aqueduct system, as called for by the Emergency Storage Project (ESP). The project will address the Human Right to Water (below), seven program preferences, and seven statewide priorities. It is **fully certain** that this project will meet these preferences and priorities on a regional, state, or local level (refer to **Table 7-2**) as described here.

Regional Project: The project will enable the Region to fully utilize its ESP, which is a regional water supply reliability planning project. Hodges Reservoir is a key piece of the ESP, and the project will improve water quality within the reservoir, thereby allowing water from the reservoir to be moved into the Region's aqueducts. Therefore, the project will benefit the entire region by increasing drought preparedness and supply reliability on a regional level.

Effectively Integrate Water Management: This project is integrated in three ways, as defined in the 2013 IRWM Plan. Partnership integration has occurred through the City of San Diego's partnership with Santa Fe Irrigation District (SFID) and SDCWA. The project meets multiple objectives of the 2013 IRWM Plan, meeting the Region's definition of resource management integration. The third form of integration is geographical, as the project will benefit the entire Region, across all eleven watersheds.

Resolve Water-Related Conflicts: The project will resolve water management conflicts in times of severe drought by increasing the ability of the Region to move water within its ESP system. The project will enable the Region to fully utilize the water storage capabilities of Hodges Reservoir by allowing this water to be moved into the regional system during wet years rather than spilling over Hodges Dam. Increasing the Region's ability to use local and stored supplies will reduce demand for imported water, thereby reducing conflicts related to use of SWP and Colorado River supplies.

Meet Bay-Delta Objectives: The project will meet the Water Supply and Ecosystem Restoration objectives of the CALFED Bay-Delta through reduced demand for imported water. Imported water demand will be reduced, because the project will improve water quality in Hodges, making locally-stored water available throughout the Region. Approximately one-third of the Region's imported water comes from the SWP, and as described in Attachment 3, this project will reduce demand for SWP supplies by 5,377 AFY on a long-term basis. Therefore, this project will directly reduce demand from the Bay-Delta, thereby supporting the Ecosystem Restoration and Water Supply objectives of the CALFED Bay-Delta program.

Address DAC Needs: As described in Attachment 8, the Region has a substantial amount of residents that reside in living in DACs. This project will benefit the entire Region, including those areas that qualify as DACs.

Part of an IRWM Plan that Reduces Reliance on Sacramento-San Joaquin Delta: The project is included in the 2013 San Diego IRWM Plan, as described in Attachment 1. The 2013 IRWM Plan was approved by DWR in June 2014, and passed the Plan Review Standard related to how the plan will help reduce dependence on the Delta (see **Appendix 1-4**).

Address Statewide Priorities: The project directly meets five statewide priorities: 1) Drought Preparedness; 2) Reuse Water More Efficiently; 3) Climate Change Response Actions; 4) Expand Environmental Stewardship; and 5) Protect Surface/Groundwater Quality and indirectly meets two statewide priorities: 1) Practice Integrated Flood Management (IFM); and 2) Ensure Equitable Distribution of Benefits. Drought preparedness and reusing water more efficiently are addressed by the project's ability to improve water quality in Hodges, thereby making the water available on a regional basis, including in times of drought and to utilize water that would otherwise be spilled over Hodges Dam. Improved water supply management and reduced imported water demands help respond to climate change by reducing climate change-related vulnerabilities. Because the project will directly improve the quality of water in Hodges Reservoir, it will provide environmental stewardship by improving habitat and protect surface water quality. The project will indirectly practice IFM by reducing spills during wet-weather events, which can cause downstream erosion and flooding and will ensure equitable distribution of benefits by benefitting the Region as a whole, including DACs.

Human Right to Water

Approximately 95% of the population of the San Diego IRWM Region is served by municipal water agencies, which all provide safe water for human consumption, cooking, and sanitary purposes. Therefore, any project that protects municipal water agency supplies (both quality and reliability) and water reliability will help address the Human Right to Water in the Region. All of the projects in this Proposal will offset some amount of imported water. Imported water is also less reliable than drought-proof local supplies, due to the potential for delivery restrictions in times of drought or service interruptions from catastrophic events such as earthquakes due to the expansive nature of the imported water distribution system.

As described in Attachment 1, the seven projects included in this Proposal are grouped into three programs: Direct Potable Water Use Reduction, Drought Relief through Demand Management, and System Interties. Each of these three programs helps to reduce dependence on imported water and contributes to increased water supply reliability and affordability. In so doing, these programs and their seven associated projects directly contribute to the Region's ability to address the Human Right to Water.